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CERTIFICATE OF MAILING

I hereby certify that this ASSIGNMENT and TRANSMITTAL are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Box PCT, Assistant Commissioner of Patents, Washington, D.C. 20231, on this 22<sup>nd</sup> day of February, 2002.

By:

Barbara J. Whaley  
Barbara J. Whaley

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Lars BIRKE  
For : LIQUID CRYSTAL DISPLAY  
Serial No. : 09/979,582  
Filing Date : November 14, 2001  
Examiner : Unknown  
Last Office Action : None  
Attorney Docket No. : TRW 2 0273

Cleveland, Ohio 44114-2518

03/20/2002 MALI11 00000076 09979582

02 FC:581

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ASSIGNMENT TRANSMITTAL LETTER

Box Assignments

Assistant Commissioner of Patents  
Washington D. C. 20231

Dear Sir:

Please record the attached original document(s)  
or copy thereof.

1. Name of conveying Party(ies):

Lars Birke

2. Name and Address of receiving Party(ies):

Name: TRW Automotive Electronics & Components GmbH & Co.  
KG

Street Address: Industriestraße 2-8

City: 78315 Radolfzell

Country: GERMANY

3. Nature of Conveyance:

☒ Assignment . ☐ Change of Name

☐ Security Agreement ☐ Merger

Other \_\_\_\_\_

Execution Date: February 7, 2002

4. Application number(s) or patent number(s).

If this document is being filed together with a new application, the execution date of the application is:

February 7, 2002

A. Patent Application No.(s) B. Patent No.(s)

09/979,582 \_\_\_\_\_

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: James W. McKee  
(type name of attorney)

Firm: Fay, Sharpe, Fagan, Minnich & McKee, LLP

Address: 1100 Superior Avenue, 7th Floor

City: Cleveland

State: Ohio ZIP: 44114-2518

6. Number of applications and patents involved: 1

7. Total fee (37 C.F.R. 3.41): \$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account.

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8. The Commissioner is hereby authorized to charge any additional filing fees which may be required for this application without specific authorization, or credit any overpayment to Deposit Account No. 06-0308.  
(attach duplicate copy of this form if paying by Deposit Account)

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Respectfully submitted,

FAY, SHARPE, FAGAN,  
MINNICH & MCKEE, LLP

22 FEB 02

Date

Michael E. Hudzinski

James W. McKee  
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Total number of pages including cover sheet: 4

**ASSIGNMENT**


WHEREAS, I, Lars Birke of Friedenstrasse 16-1, 78315 Radolfzell-Böhringen, Germany, have made new and useful improvements in

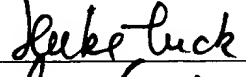

**LIQUID CRYSTAL DISPLAY**

WHEREAS, TRW Automotive Electronics & Components GmbH & Co. KG, a corporation organized and existing under the laws of the Federal Republic of Germany, having a place of business at Industriestraße 2-8, 78315 Radolfzell, Germany, is desirous of acquiring the entire right, title and interest in and to the said improvements and all patents therefor to be obtained in the United States of America and countries foreign to the United States;

NOW, THEREFORE BE IT KNOWN, that for valuable considerations to me paid, the receipt whereof is hereby acknowledged, I, the said inventor, do hereby assign, sell and set over unto the said TRW Automotive Electronics & Components GmbH & Co. KG, its successors or assigns, the entire right, title and interest in and to the aforesaid improvements and any and all inventions pertaining thereto, the application for United States patent executed by **Lars Birke** on the 07 day of February, 2002, all patents granted therefor in the United States of America and elsewhere, and the right to apply for patents therefor in all countries foreign to the United States and to claim for such applications the priority of United States applications, and I hereby request the Commissioner of Patents and Trademarks of the United States, and any official of any country or countries foreign to the United States whose duty it is to issue patents, to issue such patents to the said TRW Automotive Electronics & Components GmbH & Co. KG, its successors, or assigns; and I further agree to execute such other applications and other instruments and do all other acts as may be deemed necessary by the said TRW Automotive Electronics & Components GmbH & Co. KG, its successors and assigns in order fully to secure, protect, and preserve its rights to the said improvements and to obtain patents therefor in the United States of America and all countries foreign to the United States, all without further consideration but at the expense of the said TRW Automotive Electronics & Components GmbH & Co. KG, its successors or assigns.

Signed at Radolfzell, on this 07 day of February, 2002.

  
Lars Birke

Witnesses:   


DECLARATION FOR PATENT APPLICATION

As the below named inventor, I hereby declare that:

My residence, post office address, and citizenship is as stated below next to my name.

I believe I am the original, first, and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**LIQUID CRYSTAL DISPLAY**

the specification of which was filed on November 14, 2001 and was amended on November 14, 2001 by way of Preliminary Amendment and Voluntary Submission of Substitute Specification and accorded Serial No. 09/979,582.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37 Code of Federal Regulations § 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code § 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Germany 199 22 369.6, Filed May 14, 1999

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Not applicable.

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s) listed below and,

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insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

PCT Application No. PCT/DE00/00879, Filed March 22, 2000

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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Cleveland, Ohio 44114-2518

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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Full name of first and sole inventor: Lars BIRKE

Inventor's signature

Lars Birke

Date: 07 Feb. 2002

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